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## **A Modified Wigner's Inequality for Secure Quantum Key Distribution**

S. Castelletto [Permanent address: ]Istituto Elettrotecnico Nazionale G. Ferraris, Strada delle Cacce 91,  
10135 Torino (Italy) castelle@ien.it Optical Technology Division

I. P. Degiovannidegio@ien.it M. L. Rastello

Istituto Elettrotecnico Nazionale G. Ferraris

abstract

In this report we discuss the insecurity with present implementations of the Ekert protocol for quantum-key distribution based on the Wigner Inequality. We propose a modified version of this inequality which guarantees safe quantum-key distribution.